PEDIATRIC CLINIC 24 FEB 2011

CROUP

GRADES:

1. Exertional stridor → only with exercise
2. At rest stridor
3. With retraction subcostal & intercostal
4. With Resp. failure "cyanosis"

1, 2 → outpatient treatment

3, 4 → hospitalization

TYPES:

1) Bacterial: epiglottitis, tracheitis → high grade fever, anorexia, flushing, toxic, bad general condition → organism is *Staph. Aureus*
2) Viral: laryngitis, lanyrgo-bronchitis → شوية رشح و برد و فجأة ظهرت الذبحة دي

   Laryngo-tracheobronchitis → with wheezy chest

No tongue depressor in any case of croup → epiglottitis

Stridor is more common at night due to more congestion

TREATMENT

1- HUMIDIFY THE VOCAL CORDS

A) At the reception
Warm saline or
Epinephrine, racemic: 0.01 mg/kg/dose → (ampule 1mg/1ml) →
احله علي 10 سم و ادي شرطة لكل كيلوا

B) At home
Vapozol (صبغة جاو) → ½ معلقة علي لتر ماء ساخن و يستنشقه
او حمامات بخار دافئة لمدة 10 دقائق

- β_2 agonists are contraindicated → broncho-dilatation → ↑ dead space of bronchi → ↓ gas exchange in the alveoli
- Antitussive is contraindicated

2- CORTICOSTEROIDS

A) Injection (at the hospital)
- Dexamethasone
  - Trade name: apidone, Fortecortin, dexamethasone, decadron, epidron
  - Ampule: 8mg/2ml
  - Dose: 0.25-0.5 (0.4) mg/kg/dose → شرطة لكل كيلو
  - Takes 3-4 hours to work
  - Can be repeated
- Hydrocortisone
  - Fast take ½ hour to work
  - Dose: 5-**10** mg/kg/dose
  - *Solu-Cortef* (100mg/2ml) → امبول لكل 10 كيلوجرام
  - *Sigmacortin* (500mg/5ml) → 1 سم لكل 10 كيلوا

B) Oral (at home)
- Oral steroids maximum for 3 days → if longer → gradual ↓
- Dexamethasone
  - 0.1-0.2 mg/kg/day
  - Trade name: *apidone, vendexine, Orazone, phenadol* (0.5mg/5ml)
  - 1سم لكل كجم يتقسم علي 3 جرعات
- Prednisone
  - Dose: 1-2 mg/kg/day
  - Trade name: *Predsol, Xilone* (5mg/5ml)
  - 1 سم لكل كجم في اليوم

IRON DEFICIENCY ANEMIA

DIAGNOSIS AND INVESTIGATION

- Serum ferritin
- HB electrophoresis
- RDW → ↑↑ >20% in Fe def. anemia
  → ↓ or Normal in thalassemia

TREATMENT

Oral iron 6mg/kg/day for at least 3 months

- Ferose 50mg/5ml (disadvantage Fe in the form of ferric require Gastric Hcl to be active
- Sytron 27.5mg/5ml (little amount per 1 ml)
- Ferretal 35mg/5ml

GASTROENTERITIS (PLAN C)

RENAL FAILURE:

- Urine output 1ml/kg/hour
- Blood pressure "pre renal failure"
- Metabolic acidosis: cosmol breathing "D.D from grunting"
- Investigation
  - » Renal function tests
  - » ABG
  - » RBS → DKA
  - » Chest x-ray

Aminoaciduria → metabolic acidosis

OLIGURIA CHALLENGE TEST

10-20 mg/kg ringer IV

Or lasix 1-2 mg/kg → و استني ساعة مع متابعة الضغط

No → 5mg/kg/dose

Another 1 hour if still no → 10mg/kg/hour